

ZENIKOVA, V.

551 Sorevnovaviye zhivotnovodov. Sookhoz  
"Gornyak" No 1 Stalinskoy obl. M.s. Profizdat, 1954. 39 s. 20 sm.  
8.000 ekz. 55k.- 54-55568 p.  
636.083 sr (47.715) + 331.875: 636 (47.715)

SO: Knizhnaya Letopis, Vol. 1, 1955

ZENKEVICH, L. A.

"Adsorption and Biocirculation in the Depth of Ocean Water (short information)"

report presented at the Scientific Conference on the Disposal of Radioactive  
Wastes, Monaco, 16-21 November 1959.

ZENKEVICH, L.A.

State of oceanography in the U.S.S.R. and abroad. Biul. Okean.  
kom. no.5:12-18 '60. (MIRA 13:10)  
(Oceanographic research)

ZENKEVICH, L.A.; LISITSYN, A.P.; UDIMSEV, G.B.

Ocean depths as a subject for study. Itogi nauki; Dost.okean.  
no.1:7-26 '59. (MIRA 12:10)

(Oceanography)

ZENKEVICH, N., nauchnyy sotrudnik

Photographic eye explores the ocean bottom. IUn.tekh. 5 no.9:39-41  
S '60. (MIRA 13:10)

1. Institut okeanologii AN SSSR.  
(Photography, Submarine)

ZENIN, A. A. Cand Agr Sci -- (diss) "Chestnut-Brown Soils of the Left Bank of the Ural River (within the northern regions of the Zapadno-Kazakhstanskaya Oblast)." (Mos Order of Lenin Agricultural Academy im K. A. Timiryazev), 110 copies (KL, 25-57, 116)

101  
100  
- 99 -

USSR/Soil Science - Soil Genesis and Geography.

J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86709

Author : Zenin, A.A.

Inst : Moscow Agriculture Academy im. K.A. Timiryazev

Title : Soils of the Northern Part of the Ural River Left Bank  
in Western Kazakhstanskaya Oblast.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp.  
29, 257-261

Abstract : Arable virgin and long-lain lands were located in 1954-  
1955 in the Western Kazakhstanskaya Oblast'. Field inves-  
tigations embraced an area of more than 1,000,000 hectares.  
The soil cover of the Ural River's left bank is represen-  
ted by dark-chestnut and chestnut soils with varied degree  
of solonetz quality. Certain agrochemical soil properties  
are cited. When putting the dark-chestnut average-solonetz

Card 1/2

ZENIN, R.R.

BITKER, M.A.; KOTOVRASOV, I.P., kand. nauk; ZENIN, A.A., aspirant,

Prospective development of the "Ak-su" State Farm. Dokl. TSEMA  
no.28:52-57 '57. (MIRA 11:4)

1. Direktor sovkhosa "Ak-su" Terekinskogo rayona Zapadno-  
Kazakhstanskoy oblasti (for Bitker).  
(West Kazakhstan Province--State farms)

USSR/Soil Science - Physical and Chemical Properties of Soil.

J

Abs Jour : Ref Zhur Biol., No 1, 1959, 1355

Author : Zenin, A.A.

Inst : Moscow Agriculture Academy im. K.A. Timiryazov

Title : Some Data on Investigation of Water-Physical Properties  
of Virgin Chestnut Soils of the Left Bank of the Ural  
River in Western Kazakstanskaya Oblast'

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957,  
vyp. 31, 235-240

Abstract : Results are presented of a moisture study of dark chest-  
nut and chestnut soils on the grounds of Ak-Su Sovkhoz  
in Terkinskiy Rayon of western Kazakstanskaya Oblast'  
(1955-1956). Absence of productive moisture in these  
soils in the summer period caused the vegetation to  
become scorched. Prevalence in the soils of rising

Card 1/2

-, 1959, 1355

currents of soil moisture and the intermittent character  
of the biological processes in the soils. Author, in  
the opinion of the author, a strong manifestation of the  
steppe process of soil formation in this district. --  
**APPROVED FOR RELEASE: 07/19/2001** CIA-RDP86-00513R001964420018-6  
P.V. Shranko

Card 2/2

Zenin, A. A.

Category: USSR

D

Abs Jour: RZh--Kh, No 3, 1957, 7876

Author : Fezyenko, N. G. and Zenin, A. A.

Inst : Not given *Hydrochemical Inst. AS USSR*

Title : On the Chemical Composition of the Water in the Main Don and Lower Don Canals

Orig Pub: Gidrokhim, Materialy, 1955, No 25, 17-175

Abstract: During the first months of operation, the water in the canals was characterized by a higher mineral content (511 mg/liter) relative that of the Tsimlyan Reservoir; this increase in mineralization was caused by the leaching of the soluble salts from the canal beds. Since August 1952 the ion content of the canal waters has not changed over the course of the canals. Over the seasons the ion content of the canal waters changes in the same order as that of the lower part of the Tsimlyan Reservoir. The water which flows into the canals from the Tsimlyan Reservoir is low in minerals content ( $\sim$  300 mg/liter)

Card : 1/2

48

Category: USSR

D

Abs Jour: RZh--Kh, No 3, 1957, 7876

The concentration of the basic ions at the end of the irrigation season is relatively lower than at the beginning of the growing season. In this respect the water in these canals differs from that in canals which are fed from reservoirs located in arid steppe regions and which collect the local run-off; the water in canals of the latter type gradually increases in mineral content. The irrigation properties of the water in the investigated canals are good.

Card : 2/2

-49-

ZENIN, A.A.

USSR/Cosmochemistry - Geochemistry. Hydrochemistry, D

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 613-8

Author: Fesenko, N. G., Zenin, A. A.

Institution: None *Hydrochemical Inst, AS USSR*

Title: On Chemical Composition of Azov Main Canal and Questions Relating to Its Formation

Original

Periodical: Gidrokhim. materialy, 1955, 25, 176-182

Abstract: Field investigations during 1952-1953 revealed that content of principal ions in water of canal is distributed unevenly along its length but no over-all increase in total ions was noted. Mineralization of water during vegetative period varies but slightly (1,327-1,408 mg/l in 1952, 1,259-1,479 mg/l in 1953, for water inflowing to the canal). In all samples of water is found an excess of Mg over Ca. According to classification of Aleksin the canal water appertain sometimes to sulfate, sometimes to chloride class, and sodium group of second type. Irrigational coefficient

Card 1/2

USSR/Cosmochemistry - Geochemistry. Hydrochemistry, D

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61348

Abstract: of the water is 5.7-7.4 which constitutes a hazard of soil salination. Sources of accumulation of principal ions are under [redacted] waters of zone of active water exchange between river B. Yegorlyk and Veselovskiy reservoir. Nevinnomysskiy canal exercises little influence on composition of water in the main canal.

Card 2/2

ZENIN, A.A.

Separation of fluorine ions by distillation in the form of fluosilicic acid. Gidrokhim. mat. 25:237-241 '55. (MIRA 9:6)

I.Gidrokhimicheskiy institut Akademii nauk SSSR, Novocherkassk.  
(Fluorine) (Fluosilicic acid)

KULAKOV, Ye.V.; MERSHIN, A.P.; PANOV, I.P.; PODDUBNYY, N.N.; ZENIN, A.A.; KOPTEVA,  
Z.F.

Fertility of virgin and waste lands. Zemledelie 4 no.10:28-36 0 '56.  
(Soil fertility) (MLRA 9:11)

ACCESSION NR: AP4041206

S/0207/64/000/003/0153/0158

AUTHORS: Bobolev, V. K. (Moscow); Glazkova, A. P. (Moscow); Zenin, A. A. (Moscow); Leypunskiy, O. I. (Moscow)

TITLE: A study of the temperature distribution in the combustion of ammonium perchlorate

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1964, 153-158

TOPIC TAGS: temperature distribution, combustion rate, pressure effect, flame temperature, grain effect, phase change, decomposition, point thermocouple, sublimation, condensation, combustion stability, heat liberation, oscillograph H 700

ABSTRACT: Studies of the combustion of preheated ammonium perchlorate at below-atmospheric pressure show that the combustion rate is limited by the equilibrium endothermic decomposition of  $\text{NH}_4\text{ClO}_4$  to  $\text{NH}_3$ , and  $\text{HClO}_4$ . A zone combustion treatment of burning indicated, however, that the decomposition was exothermic.

The point thermocouple method, developed by A. A. Zenin (Izuchenie raspredeleniya temperatury\* pri gorenii kondensirovannykh veshchestv. Dissertatsiya, Moscow, 1962) was used in this paper to study the temperature distribution of

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ACCESSION NR: AP4041206

ammonium perchlorate combustion. Two p-type thermocouples, W+Re (5 and 20%Re) with diameters of 15 and 30  $\mu$  and a thickness of 3.5 and 7  $\mu$  respectively, were used. The 7-mm samples of unfiltered perchlorate (pressed to a density of 1.93-1.94g/cm<sup>3</sup>) were treated over the pressure range 40-350 atmos of nitrogen. The thermocouples were impressed in the samples at a pressure of 3000-3500 kg/cm<sup>2</sup>. Maintaining the pressure for 15-20 minutes produced transparent samples. The temperature distribution was recorded on a loop oscilloscope H-700, and the speed and character of combustion were photographed. It was discovered that at the end of combustion there was a temperature fluctuation ( 50 msec and 500-1000C). The flame temperature fluctuation and plateau agreed well with the decreased brightness in the photographs, but complete examination of the oscilloscope for unstable burning was not possible. This would require more precise recording of the fluctuation of the burning rate (perhaps with high-speed motion pictures). In some cases the burning was extinguished. Temperature profiles were obtained from 40-350 atm, which showed the presence of 2 combustion schemes for ammonium perchlorate, stable (40-150 atm) and unstable (160-350 atm). Abnormalities were discovered in the relation of the surface temperature and heat liberation (in the condensation phase) to the pressure. Assumptions were made concerning; 1)the variation of the ammonium perchlorate combustion mechanism with the growth of pressure; 2) the qualitative effect of the products passing from the reaction

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ACCESSION NR: AP4041206

zone in the gas phase to the surface by gasification of the condensation phase. An hypothesis was proposed concerning the reason for the decrease in the ammonium perchlorate combustion rate with an increase in pressure above 150 atm. An important discrepancy was established between the kinetic thermal decomposition and the kinetic gasification of perchlorate with combustion. Orig. art. has: 6 figures.

ASSOCIATION: none

SUBMITTED: 15Apr63

SUB CODE: GC

NO REF SOV: 004

ENCL: 00

OTHER: 005

Card 3/3

L 32569-66 EWT(m)/EWP(1)/T WW/JWD/RM  
ACC NR: AP6020554

SOURCE CODE: UR/0414/66/000/001/0074/0078

65  
63  
B

AUTHOR: Zenin, A. A. (Moscow)

ORG: none

TITLE: Burning of nitroglycerine<sup>1</sup> powder in a vacuum and at below atmospheric pressures

SOURCE: Fizika goreniya i vzryva, no. 1, 1966, 74-78.

TOPIC TAGS: nitroglycerine, burning velocity, surface temperature, pressure dependence, pressure effect, combustion pressure effect

ABSTRACT: The temperature profiles of the burning of nitroglycerine powder H in a vacuum and in a nitrogen atmosphere at pressures ranging from  $p \leq 0.5$  to 620 mm Hg and with initial powder temperatures  $T_0 = 100-140^\circ\text{C}$  were measured using the previously described method (A. A. Zenin. PMTF, 1963, 5). In this method, the measurements are made with a thin thermocouple cemented between the compressed powder specimen and a substrate. The surface temperature  $T_s$  of the burning powder is practically independent of pressure and is dependent on  $T_0$ . Mathematical treatment of the experimental data showed that  $dT_s/dT_0 = 1.26$  with a standard deviation of  $\pm 0.266$ . The burning velocity  $u$  of the powder increased as both the pressure and the initial temperature of the powder increased. Temperature and pressure dependence data on  $T_s$ , the burning velocity temperature coefficient  $\beta = d\ln u/dT_0$ , and the

UDC: 536.46+541.427.6

Card 1/2

L 32569-66

ACC NR: AP6020554

stability criterion  $\beta$  ( $T_s - T_0$ ) are tabulated and plotted. The heat release in the condensed phase was practically independent of the pressure and averaged 70–80 cal/g. The heat release in the gaseous phase increased rapidly to 130 cal/g as the pressure increased from 0.5 to 200 mm Hg; the effect of pressure then became less marked. At pressures below 200 mm Hg, the burning stability is described by the criterion proposed by A. D. Margolin (A. G. Istratov, V. B. Librovich. PMTF, 1964, 5), which takes into account the extent and inertia of the reaction zone in the solid phase. At pressures above 200 mm Hg, B. V. Novozhilov's stability criterion is also valid (PMTF, 1965, 4); this takes into account the inertia-free reaction zones and the change in  $T_s$  as the pressure changes. The author thanks A. A. Koval'skiy for organizing the work on the temperature profile measurements and O. I. Leypunskiy for developing the work on combustion stability and for his valuable advice. Orig. art. has: 4 tables, 3 figures, and 3 formulas.

[PS]

SUB CGDE: 19/ SUBM DATE: 10Jul65/ ORIG REF: 006/ ATD PRESS: 5024

Card 2/2 92

24.5500

36862  
S/170/62/005/005/008/015  
B104/B102

AUTHOR: Zenin, A. A.

TITLE: The indication errors of thermocouples passing through a flame

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 5, no. 5, 1962, 68-74

TEXT: The heat exchange between the gas medium and a thermocouple moving at constant velocity through a flame is investigated. The temperature front of the flame follows an exponential course. The system

$$\frac{\partial T_{nn}}{\partial \tau} = a_2 \frac{\partial^2 T_{nn}}{\partial y^2} + \frac{2\alpha}{c_2 \rho_2 h} (T_{cp} - T_{nn}), 0 < y < \frac{l}{2}; \quad (1)$$

$$\frac{\partial T_{xb}}{\partial \tau} = a_2 \frac{\partial^2 T_{xb}}{\partial y^2} + \frac{2\alpha}{c_2 \rho_2 h} (T_{cp} - T_{xb}), \frac{l}{2} < y < \infty. \quad (2)$$

describing the distribution of temperature in a  $\Pi$ -shaped thermocouple

Card 1/3

S/170/62/005/005/008/015  
B104/B102

The indication errors of ...

is solved. The subscripts 1 and 2 indicate the gas and thermocouple parameters,  $T_{\text{MJ}}$  is the temperature of the thermocouple "shoulder",  $T_{X_3}$  that of the thermocouple "tail",  $T_{CP}$  is the medium temperature,  $a_i$  are the thermal diffusivities,  $h$  is the diameter of the thermocouple. Expressions for the temperatures of the "shoulder" and of the "tail" of the thermocouple are derived.

$$\frac{T_0}{T_r \exp\left(-\frac{u_1}{a_1} x\right)} = \frac{1}{1 + \frac{u_1 u_2}{a_1 a_2} \left| \frac{2 \alpha}{\lambda_2 h} \right|} - \frac{\exp\left(-\frac{l}{2} \sqrt{\frac{2 \alpha}{\lambda_2 h} + \frac{u_1 u_2}{a_1 a_2}}\right)}{\left(1 + \frac{u_1 u_2}{a_1 a_2} \left| \frac{2 \alpha}{\lambda_2 h} \right|\right) \left(1 + \frac{a_1}{u_1} \sqrt{\frac{2 \alpha}{\lambda_2 h} + \frac{u_1 u_2}{a_1 a_2}}\right)}. \quad (11)$$

Card 2/3

S/170/62/005/005/008/015  
B104/B102

The indication errors of ...

The underestimation of temperature due to thermal inertia (first term) and intrinsic heat removal (second term) of the thermocouple can be determined from the formula for the temperature of the hot junction.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR, Moscow  
(Institute of Chemical Physics AS USSR, Moscow)

SUBMITTED: January 15, 1962

X  
Card 3/3

ZENIN, A.A.

Errors in readings of thermocouples passing through a flame.  
Inzh.-fiz. zhur. no.5:68-74 My '62. (MIRA 15:7)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.  
(Thermocouples)

ZENIN, A.A. (Moskva)

Heat transfer of microthermocouples during the combustion  
of condensed substances. PMTF no. 5:125-131 S-0 '63.

(MIRA 16:11)

L 13332-63  
ACCESSION NR: AP3003856

2  
to be relatively low (300-430°), which indicates a heat flow and hence diffusion of molecules and free radicals from the flame zone towards the surface. Activated combustion products are assumed to act as catalysts of thermal decomposition on the perchlorate surface. The assumption is extended to the combustion of any condensed system in which heat flows from the gaseous reaction zone toward the surface. The article was presented by Academician Ya. B. Zel'dovich on 9 April 1963. Orig. art. has: 4 figures.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of

SUBMITTED: 31Mar63

DATE ACQ: 15Aug63

ENCL: 00

SUB CODE: CH

NO REF Sov: 006

OTHER: 004

Card 3/3

ZENIN, A.A.

Nonuniform composition of water and mixing of water masses in the Volga River. Gidrokhim. mat. 31:18-42 '61. (MIRA 14:3)

1. Gidrokhimicheskiy institut Akademii nauk SSSR, g. Novocherkassk.  
(Volga River—Hydrology)

ZENIN, A.A.

Regimen of principal ions in the water of the Volga River before  
its regulation (1954-1955). Gidrokhim. mat. 31:43-67 '61.

(MIRA 14:3)

1. Gidrokhimicheskiy institut Akademii nauk SSSR, g. Novocherkassk.  
(Volga River--Water--Composition)

ZENIN, A.A.; VASIL'YEVA, V.L.

Variations in the concentration of biogenous and organic substances and gas composition of waters of the Volga River before its regulation (1954-1955). Gidrokhim. mat. 32:31-46 '61. (MIRA 14:6)

1. Gidrokhimicheskiy institut AN SSSR, Novocherkassk.  
(Volga River-Water-Composition)

ZENIN, A.A.; PROTSENKO, A.V.

Regimen of principal ions in the water of the Volga River near  
Volgograd (1957-58). Gidrokhim.mat. 34:32-47 '61. (MIRA 15:2)

1. Gidrokhimicheskiy institut AN SSSR, Novocherkassk.  
(Volga River--Water--Composition)

ZENIN, A.A.; ROGOZHIN, V.I.; FESENKO, N.G.

Nature of the movement of water masses near the dam in Tsimlyansk,  
Gorkiy, Kuybyshev, and Stalingrad Reservoirs. Gidrokhim. mat. 32:113-  
121 '61. (MIRA 14:6)

1. Gidrokhimicheskiy institut AN SSSR, Novocherkassk.  
(Reservoirs)  
(Hydraulics)  
(Water—Composition)

ZENIN, A.A.; PROTSENKO, A.V.

Regimen of biogenous and organic substances and the gas composition  
of the water of the Volga River near Volgograd (1957-58).  
Gidrokhim.mat. 34:48-59. '61. (MIRA 15:2)

1. Gidrokhimicheskiy institut AN SSSR, Novocherkassk.  
(Volga River--Water--Composition)

ZENIN, A.A.; PROTSENKO, A.V.

Discharge of dissolved substances by the Volga River into the  
Caspian Sea. Gidrokhim.mat. 34:60-66 '61. (MIRA 15:2)

1. Gidrokhimicheskiy institut AN SSSR, Novocherkassk.  
(Volga River--Water--Composition)

FESENKO, N.G.; ZENIN, A.A.

Change in the mineralization of groundwater in the backwater  
area of the Tsimlyansk Reservoir. Gidrokhim. mat. 27:56-62  
'64. (MIRA 18:4)

L. Gidrokhimicheskiy institut Glavnogo upravleniya gidro-  
meteorologicheskoy sluzhby pri Sovete Ministrov SSSR, Novo-  
charkassk.

ZENIN, A.A.

Regime of the biogenous and organic substances and the  
gaseous composition of the water of the Gorkiy Reservoir.  
Gidrokhim.mat. 36:84-100 '64.

(MIRA 18:11)

1. Gidrokhimicheskiy institut, Novocherkassk. Submitted  
November 9, 1961.

ZENIN, A.A.

Hydrochemical regime of the Gorkiy Reservoir. Gidrokhim.mat.  
36:31-43 '64. (MIRA 18:11)

1. Gidrokhimicheskiy institut, Novocherkass. Submitted  
September 1, 1961.

ZENIN, A.A.; KONOVALOV, G.S.

Some processes taking place in the pollution of river water  
by mine waters. Gidrokhim.mat. 36:56-63 '64.

(MIRA 18:11)

I. Gidrokhimicheskij institut, Novocherkassk. Submitted  
December 11, 1961.

ZENIN, A.A.; KIRYUSHKINA, V.V.; MOROZOVA, G.M.

Regimen of principal ions of the Volga River in the tail water  
of the Volgograd Reservoir, 1959-1961. Gidrokhim. mat. 38:3-11  
164.

Flow of dissolved substances of the Volga River into the Caspian  
Sea. Ibid.:12-16

Regimen of biogenic and organic substances and dissolved gases of  
the Volga River in the tail water of the Volgograd Reservoir,  
1959-1961. Ibid.:17-24 ! (MIRA 18:4)

1. Gidrokhimicheskiy institut AN SSSR, Novocherkassk.

ZENIN, Aleksey Artemovich; ALEKIN, O.A., otv. red.; MIROHENKO, Z.I.,  
red.

[Hydrochemistry of the Volga and its reservoirs] Gidro-  
khimiia Volgi i ee vodokhranilishch. Leningrad, Gidro-  
meteoizdat , 1965. 258 p. (MIRA 19:1)

1. Chlen-korrespondent AN SSSR (for Alekin).

L 46316-66 EWT(d)/EWT(1)/EWT(m)/T IJP(c) WW/JW/JWD

ACC NR: AP6027959

SOURCE CODE: UR/0020/66/169/003/0619/0621

18

AUTHOR: Zenin, A. A.; Leypunskiy, O. I.; Margolin, A. D.; Nefedova,  
O. I.; Pokhil, P. F.

B

ORG: Institute of Chemical Physics, Academy of Sciences, SSSR (Institut  
khimicheskoy fiziki Akademii nauk SSSR)

TITLE: Temperature field at the surface of burning gunpowder and  
combustion stability //

SOURCE: AN SSSR. Doklady, v. 169, no. 3, 1966, 619-621

TOPIC TAGS: gunpowder, combustion stability, temperature field,  
~~stability criterion~~ ~~temperature distribution~~

ABSTRACT: Temperature distribution at the surface of burning gunpowder  
H was measured at initial surface temperatures ranging from -196 to  
140C and pressures of 1-20 atm. The experimental data were used to  
determine the values of combustion stability criteria for various tem-  
peratures and pressures. Comparison of the experimental results with  
published theories showed that the Zel'dovich stability criterion  
(ZhETF, 12, 498, 1942), which was derived on the assumption that the  
temperature of the powder surface does not change with changing burning  
velocity and that there is no heat release in the condensed phase, is

Card 1/2

UDC: 541.126+536.462

L 04485-67 EWT(m)/T WW/JW/JWD

ACC NR: AP6029753

SOURCE CODE: UR/0414/66/000/002/0028/0032

AUTHOR: Zenin, A. A. (Moscow)

ORG: none

TITLE: Formal [effective] kinetic reaction characteristics in powder combustion

SOURCE: Fizika goreniya i vzryva, no. 2, 1966, 28-32

TOPIC TAGS: solid propellant, combustion, combustion kinetics

ABSTRACT: Based on the author's previous temperature profile measurements (Kand. diss. IKhF AN SSSR. M., 1962) conducted at 5—150 atm during the combustion of powder H, a theoretical function was derived which expresses the volumetric heat release rate as a function of temperature in the individual reaction zones. A plot of this function vs the temperature showed the heat release zone in the condensed phase with a minimum, the heat release zone in the gas-smoke phase with a maximum, and finally the flame zone extending over an interval of 150°C. The logarithm of the heat release rate function plotted for a constant temperature vs the logarithm of pressure yielded straight lines which permitted the determination of the activation energies in the individual zones. The following values of activation energies were obtained: 5 ± 0.3 kcal/mole for the gas-smoke zone, 50 kcal/mole for the flame zone, and values of 6.5 and 26 kcal/mole for the condensed phase zone at pressures of

Card 1/2

UDC: 536.46

9  
B  
11

L 06485-67

ACC NR: AP6029753

1—10 atm and 10—150 atm, respectively. The differences in the condensed phase activation energies are attributed to differences in the decomposition mechanism.  
Orig. art. has: 10 formulas and 4 figures.

O

[PV]

SUB CODE: 21/ SUBM DATE: 04Jan66/ ORIG REF: 006/ ATD PRESS: 5069

Card 2/2 egh

PODRESHETNIKOV, V.A.; ZENIN, A.D.; DULEYEV, Ye.M.

'W3-stage pressure regulator with a handle for turning on the  
reed of the working medium. Gaz, prom. 10 no.4:45 '65.

(MIRAI 18:5)

ZENIN, A.F. (Blagoveshchensk na Amure)

Preparation of hands in dental surgery. Stomatologija no.5:50  
S-0 ' 54.

(MLRA 7:11)

(ANTISEPSIS AND ASEPSIS,  
surg. scrub in dent.)  
(DENTISTRY, OPERATIVE,  
surg. scrub in)

*ZENIN (A. S.). Zur Ätiologie und Epidemiologie der Dermatomykosen im Kuibyschewgebiet. [On the etiology and epidemiology of the dermatomycoses in the Kuibyshev district.]—Festschr. Venerol. Dern., 1938, 2, pp. 5-9, 1938. [Russian. Abs. in Zbl. Haut- u. Geschkr., 19, 10-11, p. 619, 1938.]*

*Trichophyton violaceum* [R.A.M., xviii, p. 27] was found to be responsible for a very high proportion (93.8 per cent.) of the 1,666 cases of dermatomycosis handled during a period of four years in the Kuibyshev district of the U.S.S.R. [*ibid.*, xvii, p. 245]. By means of intensive propaganda a substantial reduction in the incidence of infection was achieved (from 1,266 cases of trichophytosis in 1933 to 451 in 1936). Favus was diagnosed in 3.75 and 12.2 per cent. of the urban and rural cases, respectively, while microsporidia occurred only four times.

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED INDEXED SERIALIZED FILED

SEARCHED INDEXED SERIALIZED FILED

ZENIN, A.S.

Zenin, A.S. "Results of treating acute gonorrhea with sulfazol", Trudy kuybyshevsk. gos. med. in-ta, Vol. II, 1948, p. 71-76.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

ZENIN, A.S.

Zenin, A.S. "Syphilis and blood transfusion", Trudy Kyubyshevsk. gos. med. in-ta, Vol. II,  
1948, p. 77-83.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

ZERIN, A. S.

"Temperature during Intensive Arseno Therapy of Syphilis," Vest. Venerol. i Dermatol., No. 4, 1948.

Prof., Clinic Dermato-Venereal Diseases, Kuybyshev State Med. Inst., -c1945-

ZENIN, A.S.; ZENIN, B.A.; ZAKHAROV, V.V.

Results of the treatment of lupus tuberculosis with vitamin D<sub>2</sub>  
associated with diathermocoagulation. Vest. vener., Moskva no.  
3:24-28 May-June 1952.  
(CLML 22:4)

1. Professor for A. S. Zenin; Candidate Medical Sciences for B. A.  
Zenin. 2. Kuybyshov.

PROF. A.S. ZENIN

Jul/Aug 52

USSR/Medicine - Novocain

"Treatment of Eczema With Intravencous Injections of Novocain," Prof. A.S. Zenin and Docent M. Kubarev, Clinic of Venereal and Skin Diseases, Kuybyshev Med Inst.

Vest Vener I Derm, № 4, pp 15-16

In treating eczema, intravencous injection of novocain together with the necessary local treatment can accelerate the healing of acute inflammatory symptoms such as itching and improves the sleep and the condition of the patient in general. In chronic eczema, novocain which infiltrates the skin is not usually resorbed. No marked effects of the novocain treatment on acute inflammatory processes was observed.

263 T 62

KOZHEVNIKOV, P.V. [author]; ZENIN, A.S. [reviewer].

Remarks on professor P.V.Kozhevnikov's article on the "Necessity for revising  
the nomenclature of skin diseases." Vest.ven.i derm. no.4:45-46 Jl-Ag '53.

(MLRA 6:9)

(Skin--Diseases) (Kozhevnikov, P.V.)

ZENIN, A.S.; SHLYAPNIKOV, N.P. [reviewers].

"Collected works on leprosy." Reviewed by A.S.Zenin, N.P.Shliapnikov.  
Vest.ven.i derm. no.5:60-62 8-0 '53. (MLRA 6:12)  
(Leprosy)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6

ZENIN, A. S. Professor.

"The Physiological Doctrine of I. P. Pavlov and Dermato-Venerology."

Vestnik venerologii i dermatologii (Bulletin of Venerology Dermatology),  
No 1 January-February 1954 (biomper), Moscow.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6"

ZENIN, A.S., professor (Kuybyshev)

Teaching a course in venereal and skin diseases in medical schools.  
Vest.derm. i ven. 31 no.4:31-32 Jl-Ag '57 (MIRA 10:11)

(Dermatology, educ.

dermato-venereol., instruction methods in Russia)

(VENERAL DISEASES

same)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6

ZENIN, A.S., prof.; LANDYSHEV, N.M.

Brief news. Vest. derm. i ven. 38 no.12:79-80 D '64.

(MIRA 18:8)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6"

ZENIN, A.S., prof. (Kuybyshev)

Klippel - Trenaunay syndrome. Vest. derm. i ven. 38 no.11:64-65  
N '64.  
(MIRA 18:4)

ZENIN, Aleksey Sergeyevich, prof.; MIL'CHENKO, Il'ya Timofeyevich, prof.; PETROPOL'SKAYA, N.Ye., red.; DURASOVA, V.M., tekhn.red.

[Gonorrhea in women] Gonoreia zhenshchiny; rukovodstvo dlia vrachei i studentov. Kuibyshev, Kuibyshevskoe knizhnoe izdvo, 1962. 121 p. (MIRA 16:3)

(GONORRHEA)

ZENIN, A.S., prof.

Treatment of psoriasis without ointments. Vest.derm.i ven. 35  
no.3:27-29 Mr '61. (MIRA 14:4)

1. Iz kliniki kozhnykh i venericheskikh bolezney Kuybyshevskogo  
meditsinskogo instituta (dir. - dotsent D.A. Voronov).  
(PSORIASIS)

ZENIN, A.S.; KRIVITSKAYA, G.I.

Bacillin-3 treatment for patients with varicous forms of  
syphilis. Vest.derm. i ven. 34 no.11:51-54 N '60.  
(MIRA 13:12)

1. Iz kafedry kozhnykh i venericheskikh bolezney Kuybyshevskogo  
meditsinskogo instituta (direktor - dotsent D.A.Voronov).  
(SYPHILIS ther.)  
(PENICILLIN ther.)

ZENIN, Aleksey Sergeyevich; TORSUYEV, Nikolay Aleksandrovich

[Textbook on skin and venereal diseases] Uchebnik kozhnykh  
i venericheskikh boleznei. Moskva, Medgiz, 1960. 379 p.  
(MIRA 13:8)

(SKIN--DISEASES)

(VENERAL DISEASES)

ZENIN, A.S.

"Collection of scientific works in leprology and dermatology" ed.  
N.A. Torsuev. Reviewed by A.S.Zenin. Vest.derm. i ven. 32  
no.1:80-81 Ja-F '58. (MIRA 11:4)  
(LEPROSY) (DERMATOLOGY) (TORSUEV, N.A.)

GAY, P.; ZENIN, B.

"Artificial larynx" apparatus. Radio no.6:36-39 Je '62.  
(MIRA 15:5)  
(Artificial larynx)

ZENIN, B. A.

Zenin, B. A. "Data on the study of so-called microbial eczema,"  
Trudy Kuybyshevsk. gos. med. im-ta, Vol. I, 1948, p. 171-83

SO: U-2888, Letopis Zhurnal 'nykh Statey, No. 1, 1949

ZENIN, B.A.

Zenin, B.A. "Sulfidine in the practical treatment of furunclosis", Trudy Kuybyshevsk. gos. med. in-ta, Vol. II, 1948, p. 84-88.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

ZENIN, A.S.; ZENIN, B.A.; ZAKHAROV, V.V.

Results of the treatment of lupus tuberculosis with vitamin D<sub>2</sub>  
associated with diathermocoagulation. Vest. vener., Moskva no.  
3:24-28 May-June 1952. (CMLL 22:4)

1. Professor for A. S. Zenin; Candidate Medical Sciences for B. A.  
Zenin. 2. Kuybyshev.

ZEMIN, N. A. Docent.

"Experience in the Treatment of Epidermophytosis using Sodium and Potassium Salts."

Vestnik vererologii i dermatologii (Bulletin of Venereology Dermatology),  
No 1, January-February 1954 (biomper), Moscow.

ZENIN, D. N.  
KUHAREV, M. V. Docent ; ZENIN, E. A. Docent

"Novocaine Blockade and its Variations in the Treatment of Eczema."

Vestnik vererologii i dermatologii (Bulletin of Venerology Dermatology),  
No 1, January-February 1954 (biomper), Moscow.

ZENIN, N. A., Docent.

"Concerning the Problem of a Cortical Mechanism in the Sweat-Producing Function of the Skin."

Vestnik venerologii i dermatologii (Bulletin of Venereology Dermatology),  
No 1, January-February 1954, (biomper), Moscow.

ZENIN, B.A.

Therapy of keratoderma with iontophoresis of caustic soda in combination with treatment with a solution of ammonium chloride. Vest. ven. i derm. no.6:14-15 N-D '54. (MIRA 8:2)

1. Iz kliniki kozhnykh i venericheskikh bolezney Kyubyshevskogo med. instituta (zav. kafedroy-prof.A.S.Zenin)

(KERATOSIS

hyperkeratosis, ther. caustic soda iontophoresis with ammonium chloride)

(ION TRANSFER

iontophoresis of caustic soda, ther. of hyperkeratosis, with ammonium chloride)

(CAUSTICS, ther. use

caustic soda iontophoresis in hyperkeratosis, with ammonium chloride)

(AMMONIUM CHLORIDE, ther. use

hyperkeratosis, with caustic soda iontophoresis)

ZENIN, B.A., doktor med. nauk; D'YACHKOV, D.T.

Experience with the prevention of pyoderma in workers of  
metal-processing industry. Vest. derm. i ven. 37 no.8:63-65  
Ag'63  
(MIRA 17:4)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof.  
A.S. Zenin) Kuybyshevskogo meditsinskogo instituta.

GVOZDIKOVA, Z.M.; ANAN'YEV, V.M.; ZENINA, I.N.; ZAK, V.I.

Sensitivity of the central nervous system of rabbit to a continuous ultrahigh-frequency electromagnetic field. Biul. eksp. biol. i med. 58 no.8:63-68 Ag '64. (MIRA 18:3)

1. Submitted May 24, 1963.

ZENIN, B.A., dotsent; ARTEM'YEV, G.N.

Result of the treatment of psoriasis arthropathica. Vest. derm.  
i ven. 33 no.2:63-65 Mr-Ap '59. (MIRA 12:7)

1. Iz kliniki kozhnykh i venericheskikh bolezney (zav. - prof. A.S. Zenin).

(PSORIASIS, ther,  
ammonium chlorate with x-rays in arthropathic form (Rus))

(RADIOTHERAPY, in var. dis.

psoriasis arthropathica, with ammonium chlorate (Rus))

(AMMONIUM COMPOUNDS, ther. use,

ammonium chlorate in psoriasis arthropathica, with  
x-rays (Rus))

ZENIN, B. A., Doc of Med Sci -- (diss) "Regulation of Sweating Function  
of the Skin," Kuybyshev, 1959, 27 pp (Kuybyshev Medical Institute)  
(KL, 5-60, 129)

ZENIN, B.A.

Innervation of the sweat glands. Vest.derm.i ven. 35 no.5:10-14  
'62. (MIRA 15:5)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav. - prof.  
A.S. Zenin) Kuybyshevskogo meditsinskogo instituta.  
(SWEAT GLANDS--INNERVATION)

ZENIN, B.A.; GOL'DBERG, I.S. (Kuybyshev)

Fluorescence studies on the urine. Klin. med. 41. no.7:36-40  
Jl '63 (MIRA 16:12)

1. Iz kafedry kozlmykh i venericheskikh bolezney (zav. - prof.  
A.S.Zenin) Kuybyshevskogo meditsinskogo instituta.

ZENIN A.S. PROF. ZENIN B.Z. ZAKHAROV, V.V.

Lupus

Results of treatment of lupus tuberculosis with Vitamin D<sub>2</sub> associated with diathermo-coagulation. Vest. vin i derm. No. 3, 1952

Monthly List of Russian Accessions, Library of Congress, October 1952 Unclassified.

ZENIN, I.

For high efficiency in the work of miners; Nikanor mine. Moskva,  
Profizdat, 1947, 47 p.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6

ZENIN, I.

(The miners have a good life) Profizdat, 1954.  
101p.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6"

ZENIN, I.; PAVLOV, P., prepodavatel'

Manufacturing complicated machines. Prof.-tekhn. obr. 12 no.7:  
13-14 J1 '55. (MIRA 8:9)

1. Direktor remeslennogo uchilishcha no.5, g. Kramatorsk (for  
Zenin) (Kramatorsk--Technical education)

ZENIN, I. (g. Lugansk)

Harmony among miners. Mast.ugl. 9 no.6:13 Je '60.  
(MIRA 13:7)  
(Lugansk Province--Coal miners)

ZENIN, I.

For the good of mankind. Mast.ugl. 9 no.1:2-4 Ja '60.

(MIRA 13:8)

(Donets Basin--Coal mines)

ZRNIN, I.

Brigade leader from Bokovo-Antratsit. Mast.ugl. 9 no.8:  
12-13 Ag '60. (MIRA 13:8)  
(Bokovo-Antratsit--Coal miners)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6

ZENIN, I.

A deserving life. Sov.shakht. 11 no.4:36-37 Ap '62.  
(MIRA 15:3)  
(Donets Basin--Coal miners)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6"

ZENIN, I.

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Khorosho zhivut shakhtery (Miners Live Well) Moskva, izd-vo VTsSPS  
Profizdat, 1954!.

101 p. illus.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6"

22 (1)

SOV/27-59-3-23/37

AUTHORS: Zenin, I., School Director, and Kanevskiy, P., Deputy Director.

TITLE: In Creative Cooperation (V tvorcheskom sodruzhestve)

PERIODICAL: Professional'no-tehnicheskoye obrazovaniye, 1959, Nr 3, p 25 (USSR)

ABSTRACT: In the Trade School No 5, Kramatorsk, technical and other circles are working in close cooperation. During the last school year, 150 posters and 68 devices for the training shops were made by the circles. The author lists the work performed in the various vocations, stating that technical creation, rationalization and invention have become an integral part of the students vocational training. Machinists in the 1st class study the construction and operation principle of the vertical drilling machine 2118-A.

ASSOCIATION: Remeslennoye uchilishche No 5, Kramatorsk (Trade School No 5, Kramatorsk).

Card 1/1

ZENIN, I. (Voroshilovgrad)

The new wage system and the shorter working day. Sots. trud  
no.12:82-88 D '56. (MLRA 10:2)

(Wages) (Hours of labor)

ZENIN,  
ZENIN, I.; ABRAMOV, V.I., redaktor; NADENSKAYA, A.A., tekhnicheskiy  
redaktor

[Machine operators of the Gorskaya No.1-2 mine] Mekhanizatory  
shakhty №.1-2 "Gorskaya." Moskva, Ugletekhnidat, 1954. 46 p.  
(MLRA 8:4)

(Donets basin--Coal mining machinery)

ZENIN, I.

Za vysokuiu proizvoditel'nost' shakteny. Moskva, Profizdat. 1947.

Title translated: For high productivity on the part of the miner.

On improving mining production methods during the present five year plan.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6

ZENIN, I.

Shura. Mast.ugl. 9 no.10:13 0'60.  
(Women as miners)

(MIRA 13:10)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6"

ZENIN, I.

In the land of innovators. Sov.shakht, 10 no.8;14-15 Ag '61.  
(MIRA 14:8)

(Donets Basin--Coal mines and mining)

SOSNOVIK, I.Ya., doktor meditsinskikh nauk; MOROZOV, A.L., doktor meditsinskikh nauk; MOLOKANOV, K.P., doktor meditsinskikh nauk; YEVGENOVA, M.V., kandidat meditsinskikh nauk; ZEHIN, I.I., nauchnyy sotrudnik

The use of tissue therapy for patients with silicosis. Bor'ba s sil. 2:378-381 '55. (MLRA 9:5)

I. Institut gigiyeny truda i profzabolevaniy Akademii meditsinskikh nauk SSSR.

(LUNGS--DUST DISEASES)

ZENIN, I.Ye. (Krasnyy Luch, Donbass)

Followers of Doctor Solomonov, Zdorov'e 6 no.12:22-23 D 160  
(MIRA 13:12)

(KRASNY LUCH—COAL MINERS—MEDICAL CARE)

ZENIN, I. (Severodonetsk, UkrSSR)

Town of youth, Zdorov'e 9 no. 422-23 Ap'63. (MIRA 16:7)  
(SEVERODONETSK--CHEMICAL INDUSTRIES--HYGIENIC ASPECTS)

ZENIN, I.Ye.

Glorious labor, sensible recreation. Zdorov'e 6 no.1:14-15 Ja '60.  
(MIRA 13:4)

1. Shakhta No.2 "Severnaya," Donbass.  
(DONETS BASIN--COAL MINERS)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6

ZENIN, IVAN YEGOROVICH

EPP

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Iz Otstayushchikh V Peredovyye  
(From Lagging to Leading) Moskva, Profizdat, 1956.

44 p.

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APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001964420018-6"

ZENIN, Ivan Yegorovich; LARINA, L.M., red.; RAKOV, S.I., tekhn.red.

[Mine shift] Shakterskaia smena. [Moskva] Izd-vo VTsSPS, 1957.  
158 p. (MIRA 11:4)

(Donets Basin--Coal mines and mining)

ZENIN, Ivan Yegorovich; LARINA, L.M.; RAKOV, S.I., tekhnicheskiy redaktor.

[Miners live well] Khorosho zhivut shakhtery. [Moskva] Izd-vo VTsSPS  
Profizdat, 1954. 101 p.[Microfilm] (MIRA 8:2)  
(Gorskoye--Coal miners)

ZENIN L.S.

YARIN, L.P.; ZENIN, L.S.

Method for determining lightness and falling rate. Dokl.Akad.sel'khoz.  
22 no.9:44-48 '57. (MIRA 10:9)

1. Kazakhskiy nauchno-issledovatel'skiy institut mekhanizatsii i  
elektrifikatsii sel'skogo khozyaystva. Predstavlena akademikom  
V.A. Zheligovskim.

(Grain--Cleaning)

ZENIN, M.A.

COUNTRY	: USSR
CATEGORY	: Pharmacology, Toxicology, Chemotherapeutic Preparations. Antihelminthic Substances
YEAR	: 1956, No. 12 1956, No. 56843
AUTHOR	: Zenin, M.A.
INST.	: Kursk Medical Institute
TITLE	: Clinical Tests of Antihelminthic Substances of Elecampine. II.
OPIC, PUB.	: Sb. Tr. Kurskiy Med. Inst., 1956, No.11, 366-368
ABSTRACT	: 7 patients with ascariasis, 25 with teniarincosis, and 83 with diphyllobothriasis were treated with extract and a 15% concoction of elecampine in a daily dose for adults of 60-70 gm of the dried root. There was no evacuation of ascarids. With tenia infestation, the worms were eliminated in 12 hours. With 3-4 month observation it was shown that complete elimination of taeniasites had occurred in 17 persons. Negligible side effects (dizziness, nausea, vomiting) occurred in 3 patients. In diphyllobothriasis the worms were eliminated in 75 patients, and in 65 the heads were elimin-
Card:	1/2

COUNTRY :		✓
CATEGORY :		
ARS. JOUR. :	RZhBiol., №. 1958, №.	
AUTHOR :		
INST. :		
TITLE :		
CRIG. FUB. :		
ABSTRACT :	ated as well. In 20 of the 83 there were some side effects from the medication (headache, nausea, vomiting). -- V.G.Sivashinskaya	
Card:	2/2	